

# PDHM-20-400 – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 10 to 800 MHz
- 2-way
- Medium Power
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- SMA

<b><u>PRINCIPAL SPECIFICATIONS</u></b>													
Model Number	Freq. Range, MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance,		Amplitude Balance, dB,		VSWR (In/Output)		Input Power <sup>†</sup> W, Max.
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PDHM-20-400	10 - 800	70 - 600	25	30	0.5	0.3	2°	1°	0.2	0.1	1.3:1	1.2:1	20
		10 - 800	20	25	0.8	0.5	2°	1°	0.2	0.1	1.5:1	1.25:1	

<sup>†</sup>CW input power when used as divider with 1.2:1 VSWR<sub>out</sub>. Higher power units optional.

**General Notes:**

1. The PDHM-20-400 2-way Medium Power In-Phase Power Divider covers 10 to 800 MHz with high isolation over the 30 to 600 MHz frequency band. It is designed for input powers up to 20 Watt average using lumped element components designed for the higher power, while maintaining relatively low loss, broadband performance and high output port isolation.

**GENERAL SPECIFICATIONS**

Coupling: – 3 dB nom.

Impedance: 50 Ω nom.

Internal Load Dissipation: 10 W max.

Operating Temperature: – 55° to +85°C

